L	Hits	Search Text	DB	Time stamp
Number	2752	010/101 40 010/101 50 010/110		2001/20/15
1	3752	219/121.49 or 219/121.52 or 219/119 or 219/75 or 219/121.59	USPAT; EPO; JPO	2004/03/17
2	745740	tip or shield adj cap or nozzle	USPAT;	2004/03/17
			EPO; JPO	12:13
3	4792	plasma adj3 torch	USPAT; EPO; JPO	2004/03/17
4	2240065	cooling next electrode	USPAT;	2004/03/17
			EPO; JPO	12:13
5	3043	(plasma adj3 torch) and (cooling next electrode)	USPAT; EPO; JPO	2004/03/17
6	106165	swirl\$ or turbulence or turbulent	USPAT;	2004/03/17
			EPO; JPO	12:38
7	463	<pre>((plasma adj3 torch) and (cooling next electrode)) and (swirl\$ or turbulence or turbulent)</pre>	USPAT; EPO; JPO	2004/03/17
8	925905	groove\$ or dimples or projections or	USPAT;	2004/03/17
	420	textured or texturing	EPO; JPO	12:16
9	438	((plasma adj3 torch) and (cooling next electrode)) and (groove\$ or dimples or	USPAT; EPO; JPO	2004/03/17
		projections or textured or texturing)	210, 010	
10	2495	cooling adj4 electrode	USPAT;	2004/03/17
11	41	(((plasma adj3 torch) and (cooling next	EPO; JPO USPAT;	12:16
**	11	electrode)) and (groove\$ or dimples or	EPO; JPO	12:17
		projections or textured or texturing))		
12	33	and (cooling adj4 electrode) (219/121.49 or 219/121.52 or 219/119 or	USPAT;	2004/03/17
12	33	219/75 or 219/121.59) and (((plasma adj3	EPO; JPO	12:17
		torch) and (cooling next electrode)) and		
		(groove\$ or dimples or projections or		
		textured or texturing)) and (cooling adj4 electrode))		
13	39	(tip or shield adj cap or nozzle) and	USPAT;	2004/03/17
		((((plasma adj3 torch) and (cooling next electrode)) and (groove\$ or dimples or	EPO; JPO	12:17
		projections or textured or texturing))		
		and (cooling adj4 electrode))		
14	32	((219/121.49 or 219/121.52 or 219/119 or 219/75 or 219/121.59) and ((((plasma adj3	USPAT; EPO; JPO	2004/03/17
		torch) and (cooling next electrode)) and	EPO, UPO	12.17
		(groove\$ or dimples or projections or		
		textured or texturing)) and (cooling adj4		
		electrode))) and ((tip or shield adj cap or nozzle) and (((plasma adj3 torch) and		
		(cooling next electrode)) and (groove\$ or		
		dimples or projections or textured or		
		<pre>texturing)) and (cooling adj4 electrode)))</pre>		
15	1135	219/121.49 or 219/121.52	USPAT;	2004/03/17
1.0	255	/210/121 40 am 210/121 52 \ 1 /	EPO; JPO	12:39
16	255	(219/121.49 or 219/121.52) and (groove) or dimples or projections or textured or	USPAT; EPO; JPO	2004/03/17
		texturing)		
17	229	((219/121.49 or 219/121.52) and (groove\$	USPAT;	2004/03/17
		or dimples or projections or textured or texturing)) and (cooling next electrode)	EPO; JPO	12:19
18	41	(cooling adj4 electrode) and	USPAT;	2004/03/17
		(((219/121.49 or 219/121.52) and	EPO; JPO	12:19
		(groove\$ or dimples or projections or		
		<pre>textured or texturing)) and (cooling next electrode))</pre>		
19	3952	enhance adj cooling or better adj cooling	USPAT;	2004/03/17
20		(/	EPO; JPO	12:20
20	14	((swirl\$ or turbulence or turbulent) or (groove\$ or dimples or projections or	USPAT; EPO; JPO	2004/03/17
		textured or texturing)) and (plasma adj3	====	
		torch) and (enhance adj cooling or better		
L	<u> </u>	adj cooling)	<u> </u>	

.21	228	(knurling or knurled or grooved or	USPAT;	2004/03/17
	ļ	grooves or ribbed or ribs or dimples or	EPO; JPO	12:37
	1	projections) and (plasma adj3 torch) and		
1		cooling		
22	211	gas and ((knurling or knurled or grooved	USPAT;	2004/03/17
	-	or grooves or ribbed or ribs or dimples	EPO; JPO	12:38
		or projections) and (plasma adj3 torch)		
		and cooling)		
23	79535	gas with cooling	USPAT;	2004/03/17
			EPO; JPO	12:38
24	95	(gas and ((knurling or knurled or	USPAT;	2004/03/17
		grooved or grooves or ribbed or ribs or	EPO; JPO	12:38
		dimples or projections) and (plasma adj3		
		torch) and cooling)) and (gas with		
	0.4.500.5	cooling)		
25	346935	swirl\$ or turbulence or turbulent or	USPAT;	2004/03/17
200	1 44	surface adj area	EPO; JPO	12:39
26	44	((gas and ((knurling or knurled or	USPAT;	2004/03/17
	1	grooved or grooves or ribbed or ribs or	EPO; JPO	12:39
		dimples or projections) and (plasma adj3 torch) and cooling)) and (gas with		
		cooling)) and (swirl\$ or turbulence or		
		turbulent or surface adj area)		
27	26		USPAT;	2004/03/17
1		and ((knurling or knurled or grooved or	EPO; JPO	12:39
		grooves or ribbed or ribs or dimples or	== 0, 010	
		projections) and (plasma adj3 torch) and		
		cooling)) and (gas with cooling)) and		
		(swirl\$ or turbulence or turbulent or		
1		surface adj area))		

BEST AVAILABLE COPY